

OIFE

RAW SEQUENCE LISTING

DATE: 07/23/2001

PATENT APPLICATION: US/09/899,532

TIME: 13:36:23

Input Set : A:\02973.00040 sequence listing.txt

Output Set: N:\CRF3\07232001\I899532.raw

ENTERED

```

4 <110> APPLICANT: Bloomquist, Brian T.
5   Zhelnin, Leonid
7 <120> TITLE OF INVENTION: Human Neuropeptide Y-Like G
8   Protein-Coupled Receptor
10 <130> FILE REFERENCE: 02973.00040
C--> 12 <140> CURRENT APPLICATION NUMBER: US/09/899,532
C--> 12 <141> CURRENT FILING DATE: 2001-07-06
12 <150> PRIOR APPLICATION NUMBER: US 60/216,523
13 <151> PRIOR FILING DATE: 2000-07-06
15 <160> NUMBER OF SEQ ID NOS: 3
17 <170> SOFTWARE: FastSEQ for Windows Version 4.0
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 1296
21 <212> TYPE: DNA
22 <213> ORGANISM: Homo sapiens
24 <400> SEQUENCE: 1
25 atgcaggcgc ttaacattac cccggagcag ttctctcggc tgctgcggga ccacaacctg      60
26 acgcggggagc agttcatcgc tctgtaccgg ctgcgaccgc tcgtctacac ccagagactg      120
27 cggggacgcg ccaagctggc cctcgtgctc accggcgtgc tcatcttcgc cctggcgctc      180
28 tttggcaatg ctctggtgtt ctacgtggtg accgcagca aggccatgcg caccgtcacc      240
29 aacatcttta tctgtctcct ggcgctcagt gacctgctca tcaccttctt ctgcattccc      300
30 gtcaccatgc tccagaacat ttccgacaac tggctggggg gtgctttcat ttgcaagatg      360
31 gtgccatttg tccagtctac cgctgttggt acagaaatcc tcaactatgac ctgcattgct      420
32 gtggaaaggc accagggact tgtgcactct tttaaaatga agtggcaata caccaaccga      480
33 agggctttca caatgctagg tgtggtctgg ctggtggcag tcatcgtagg atcaccatg      540
34 tggcacgtgc aacaacttga gatcaaatat gacttcctat atgaaaagga acacatctgc      600
35 tgcttagaag agtggaccag ccctgtgcac cagaagatct acaccacctt catccttgtc      660
36 atoctcttcc tctgtcctct tatggtgatg ottattctgt acagtaaaat tggttatgaa      720
37 ctttgataaa agaaaagagt tggggatggt tcagtgtctc gaactattca tggaaaagaa      780
38 atgtccaaaa tagccaggaa gaagaaacga gctgtcatta tgatggtgac agtgggtggt      840
39 ctctttgctg tgtgctgggc accattccat gttgtccata tgatgattga atacagtaat      900
40 tttgaaaagg aatatgatga tgtcacaate aagatgattt ttgctatcgt gcaaattatt      960
41 ggattttcca actccatctg taatcccatt gtctatgcat ttatgaatga aaacttcaaa      1020
42 aaaaatgttt tgtctgcagt ttgttattgc atagtaaata aaaccttctc tccagcacia      1080
43 aggcattgaa attcaggaat tacaatgatg cggaagaaag caaagttttc cctcagagag      1140
44 aatccagtgg aggaaaccaa aggagaagca ttcagtgatg gcaacattga agtcaaattg      1200
45 tgtgaacaga cagaggagaa gaaaaagctc aaacgacatc ttgctctctt taggtctgaa      1260
46 ctggctgaga attctccttt agacagtggg cattaa      1296
48 <210> SEQ ID NO: 2
49 <211> LENGTH: 431
50 <212> TYPE: PRT
51 <213> ORGANISM: Homo sapiens
53 <400> SEQUENCE: 2
54 Met Gln Ala Leu Asn Ile Thr Pro Glu Gln Phe Ser Arg Leu Leu Arg
55   1           5           10           15
56 Asp His Asn Leu Thr Arg Glu Gln Phe Ile Ala Leu Tyr Arg Leu Arg
57   20           25           30

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/899,532

DATE: 07/23/2001

TIME: 13:36:23

Input Set : A:\02973.00040 sequence listing.txt

Output Set: N:\CRF3\07232001\I899532.raw

```

58 Pro Leu Val Tyr Thr Pro Glu Leu Pro Gly Arg Ala Lys Leu Ala Leu
59          35          40          45
60 Val Leu Thr Gly Val Leu Ile Phe Ala Leu Ala Leu Phe Gly Asn Ala
61          50          55          60
62 Leu Val Phe Tyr Val Val Thr Arg Ser Lys Ala Met Arg Thr Val Thr
63 65          70          75          80
64 Asn Ile Phe Ile Cys Ser Leu Ala Leu Ser Asp Leu Leu Ile Thr Phe
65          85          90          95
66 Phe Cys Ile Pro Val Thr Met Leu Gln Asn Ile Ser Asp Asn Trp Leu
67          100          105          110
68 Gly Gly Ala Phe Ile Cys Lys Met Val Pro Phe Val Gln Ser Thr Ala
69          115          120          125
70 Val Val Thr Glu Ile Leu Thr Met Thr Cys Ile Ala Val Glu Arg His
71          130          135          140
72 Gln Gly Leu Val His Pro Phe Lys Met Lys Trp Gln Tyr Thr Asn Arg
73 145          150          155          160
74 Arg Ala Phe Thr Met Leu Gly Val Val Trp Leu Val Ala Val Ile Val
75          165          170          175
76 Gly Ser Pro Met Trp His Val Gln Gln Leu Glu Ile Lys Tyr Asp Phe
77          180          185          190
78 Leu Tyr Glu Lys Glu His Ile Cys Cys Leu Glu Glu Trp Thr Ser Pro
79          195          200          205
80 Val His Gln Lys Ile Tyr Thr Thr Phe Ile Leu Val Ile Leu Phe Leu
81          210          215          220
82 Leu Pro Leu Met Val Met Leu Ile Leu Tyr Ser Lys Ile Gly Tyr Glu
83 225          230          235          240
84 Leu Trp Ile Lys Lys Arg Val Gly Asp Gly Ser Val Leu Arg Thr Ile
85          245          250          255
86 His Gly Lys Glu Met Ser Lys Ile Ala Arg Lys Lys Lys Arg Ala Val
87          260          265          270
88 Ile Met Met Val Thr Val Val Ala Leu Phe Ala Val Cys Trp Ala Pro
89          275          280          285
90 Phe His Val Val His Met Met Ile Glu Tyr Ser Asn Phe Glu Lys Glu
91          290          295          300
92 Tyr Asp Asp Val Thr Ile Lys Met Ile Phe Ala Ile Val Gln Ile Ile
93 305          310          315          320
94 Gly Phe Ser Asn Ser Ile Cys Asn Pro Ile Val Tyr Ala Phe Met Asn
95          325          330          335
96 Glu Asn Phe Lys Lys Asn Val Leu Ser Ala Val Cys Tyr Cys Ile Val
97          340          345          350
98 Asn Lys Thr Phe Ser Pro Ala Gln Arg His Gly Asn Ser Gly Ile Thr
99          355          360          365
100 Met Met Arg Lys Lys Ala Lys Phe Ser Leu Arg Glu Asn Pro Val Glu
101          370          375          380
102 Glu Thr Lys Gly Glu Ala Phe Ser Asp Gly Asn Ile Glu Val Lys Leu
103 385          390          395          400
104 Cys Glu Gln Thr Glu Glu Lys Lys Lys Leu Lys Arg His Leu Ala Leu
105          405          410          415
106 Phe Arg Ser Glu Leu Ala Glu Asn Ser Pro Leu Asp Ser Gly His

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/899,532

DATE: 07/23/2001

TIME: 13:36:23

Input Set : A:\02973.00040 sequence listing.txt

Output Set : N:\CRF3\07232001\I899532.raw

107	420	425	430	
109	<210>	SEQ ID NO: 3		
110	<211>	LENGTH: 1710		
111	<212>	TYPE: DNA		
112	<213>	ORGANISM: Homo sapiens		
114	<400>	SEQUENCE: 3		
115	tggccctcga	ggccaagaat	tccggcacgag	gagggcgggga gccagaggcg ccaggaccct 60
116	cgcgtggcgc	tccagcaccc	cagaccgtgg	cgggcgctcg ccttagggaa gagcaaggga 120
117	agaactttat	ttgaaccgcg	aacatTTTTT	ggtcactgag atcgagtctc ccagtgtttt 180
118	ggcttcccgc	ctctttatcg	tgggtttgat	ccctgagctg ctctcctttc ccgaacctcc 240
119	cggggtgcag	cctagagccc	tcccgcgcgg	ctgactccag agtagaggaa gggaggcggc 300
120	ctccggctgg	tccccgaag	ccctcgctgc	cccgagatg cggatggcca gccagtgcg 360
121	ggcgggtggc	ccgcgtccc	ggagcgcaca	gcaatgcagg cgcttaacat taccgccggag 420
122	cagttctctc	ggctgtctgc	ggaccaaac	ctgacgcggg agcagttcat cgctctgtac 480
123	cggctgcgac	cgctcgctca	caccccagag	ctgcccggac gcgccaagct ggccctcgtg 540
124	ctcaccggcg	tgctcatctt	cgccctggcg	ctctttggca atgctctggt gttctacgtg 600
125	gtgaccgcga	gcaaggccat	gcgcaccgtc	accaacatct ttatctgctc cttggcgctc 660
126	agtgcactgc	tcatcacctt	cttctgcatt	cccgctacca tgctccagaa catttccgac 720
127	aactggctgg	ggggtgtctt	catttgcaag	atgggtgcat ttgtccagtc taccgctgtt 780
128	gtgacagaaa	tcctcactat	gacctgcatt	gctgtggaaa ggcaccaggg acttgtgcat 840
129	ccttttaaaa	tgaagtggca	atacaccaac	cgaagggctt tcacaatgct aggtgtggtc 900
130	tggctggtgg	cagtcatcgt	aggatcaccc	atgtggcacg tgcaacaact tgagatcaaa 960
131	tatgacttcc	tatatgaaaa	ggaacacatc	tgctgcttag aagagtggac cagccctgtg 1020
132	caccagaaga	tctacaccac	cttcatcctt	gtcatcctct tcctcctgcc tcttatgggtg 1080
133	atgcttattc	tgtacagtaa	aatttggttat	gaactttgga taaagaaaag agttggggat 1140
134	ggttcagtgc	ttcgaactat	tcatggaaaa	gaaatgtcca aaatagccag gaagaagaaa 1200
135	cgagctgtca	ttatgatggt	gacagtgggtg	gctctctttg ctgtgtgctg ggcaccattc 1260
136	catgttgctc	atatgatgat	tgaatacagt	aattttgaaa aggaatatga tgatgtcaca 1320
137	atcaagatga	tttttgctat	cgtgcaaatt	attggatttt ccaactccat ctgtaatccc 1380
138	attgtctatg	catttatgaa	tgaaaacttc	aaaaaaaaatg ttttgtctgc agtttgttat 1440
139	tgcatagtaa	ataaaaacctt	ctctccagca	caaaggcatg gaaattcagg aattacaatg 1500
140	atgcggaaga	aagcaaagtt	ttccctcaga	gagaatccag tggaggaaac caaaggagaa 1560
141	gcattcagtg	atggcaacat	tgaagtcaaa	ttgtgtgaac agacagagga gaagaaaaag 1620
142	ctcaaacgac	atcttgcctc	ctttaggtct	gaactggctg agaattctcc tttagacagt 1680
143	gggcattaat	tataacaata	tcttcataat	

VERIFICATION SUMMARY

DATE: 07/23/2001

PATENT APPLICATION: US/09/899,532

TIME: 13:36:24

Input Set : A:\02973.00040 sequence listing.txt

Output Set: N:\CRF3\07232001\I899532.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date